EX26484 V2 Series

Managed 48-port Gigabit PoE and 4-port 1G/10G SFP+ Ethernet Switch

Overview

EtherWAN's EX26484 series is a managed 52-port PoE Ethernet switch platform. Equipped with 48 gigabit PoE ports along with a high total PoE power budget of 450W or 860W and 4 10-gigabit SFP+ ports, the EX26484 series provides flexibility, speed, and reliability for networks in urban infrastructure, security, and other areas where connectivity is crucial.

EtherWAN — "**When Connectivity is Crucial.**"

Highlights

✚ High Bandwidth and Versatility

48 10/100/1000BASE-T(X) ports for high bandwidth connections
4 10 Gigabit fiber connections
Full capacity switching running at full duplex

✚ High Power PoE Power Budget

Maximum PoE power budget of up to 860W
Provides up to 30W per port for PTZ cameras and other high power devices

✚ Management/Security Features

PoE watchdog monitors status of connected PoE devices
802.1x port-based network access control and remote authentication through RADIUS and TACACS+
Port control and security

✚ Support

Complimentary technical support
Free firmware upgrades

Features

✛ Interface

CLI, Telnet and Web Browser SNMP v1/v2c/v3

✛ Management

Firmware and configuration upgrade and backup via TFTP
Supports DHCP Server/Client
RMON (Remote Monitoring): group 1, 2, 3, 9
Port mirroring: TX/RX and both
NTP (Network Time Protocol) Time Synchronization
IEEE 802.1ab LLDP (Link Layer Discovery Protocol)
IPv4/IPv6
PoE Watchdog
Virtual Stacking

✛ Security

MAC Address Filtering
Enable/Disable Port
Storm Control (Broadcast and Multicast Types)
IEEE802.1x LAN Access Control
Remote Authentication through RADIUS & TACACS+
SSH for CLI and Telnet Security
SSL for Web Security
System Log
ACL

✛ Quality of Service (QoS)

Priority Queues: 8 Queues per Port
Traffic Classification Based on IEEE802.1p CoS, DSCP, WRR, and Strict Mode
Rate Limiting (Ingress/Egress)

✛ Layer 2 Features

Flow Control
IEEE802.3x full duplex mode
Back-Pressure half duplex mode

Redundant Protocol
IEEE802.1D Spanning Tree Protocol (STP)
IEEE802.1w Rapid Spanning Tree Protocol (RSTP)
IEEE802.1s Multiple Spanning Tree Protocol (MSTP)

VLANs
Supports up to 4K VLANs simultaneously (128 groups, 4096 VID)
Port-based VLAN
IEEE 802.1Q tag-based VLAN (128 groups, 4096 VID)
Voice VLAN

Link Aggregation
Static trunk (13 groups, 4 ports per group)
IEEE802.3ad Link Aggregation Control Protocol

IGMP Snooping
IGMP snooping v1/v2/v3
Supports 1024 multicast groups

✛ Layer 3 Features

IPv4 Unicast: Static routing
IPv6 Unicast: Static routing

Specifications

✚ Technology

Standards
IEEE 802.3 10BASE-T
IEEE 802.3u 100BASE-T
IEEE 802.3ab 1000BASE-T
IEEE 802.3e 10GBASE
IEEE 802.3ad LACP
IEEE 802.3af PoE
IEEE 802.3at PoE+
IEEE 802.3x Full duplex and flow control
IEEE 802.1D STP
IEEE 802.1p QoS
IEEE 802.1Q Tag VLANs
IEEE 802.1s MSTP
IEEE 802.1w RSTP
IEEE 802.1x Port-based Network Access Control
IEEE 802.1ab LLDP
G.0832 ERPS

Forward/Filtering Rate
14,800pps for 10Mbps
148,810pps for 100Mbps
1,488,100pps for 1000Mbps
14,881,000pps for 10gbps

Packet Buffer Memory
32M Bits

Processing Type
Store-and-forward
Auto-negotiation
Half-duplex back-pressure and full-duplex flow control and IEEE 802.3x full-duplex flow control
Auto MDI/MDIX

Address Table Size
32K MAC Addresses

Switching Fabric
176Gbps

Forwarding Rate
130.94Mpps

Jumbo Framze Size
9.6KB

✚ Interface

Ethernet
10/100/1000BASE-T(X): 48 ports
1G/10G SFP+: 4 ports

Console
1 x RJ45

LED Indicators
Per Unit: Power
Per Port: Link/Activity, PoE

✚ Power

Input
100-240VAC

Power Consumption
37W Max (without PoE) w/ PoE power budget of 450/860W
up to 30W/port Poe power output

✚ Physical

Casing Material
Aluminum

Dimensions
EX26484: 440 x 330 x 44mm (W x D x H)

(17.3" x 12.99" x 1.73")
EX26484-920: 440 x 380 x 44mm

(17.3" x 14.96" x 1.73")

Weight
5.5kg (12.1lbs)

Installation Type
Rack Mounting

✚ Environmental

Operating Temp.
0 to 50°C (32 to 122°F)

Storage Temp.
-10 to 70°C (-10 to 158°F)

Relative Humidity
10% to 90% (non-condensing)

✚ Regulatory

ISO
Manufactured in ISO-9001 facility

EMI
FCC Part 15B
VCCI Class A
CE Mark Class A

Safety
UL 62368-1

✚ Warranty

Length
3 Years

Details
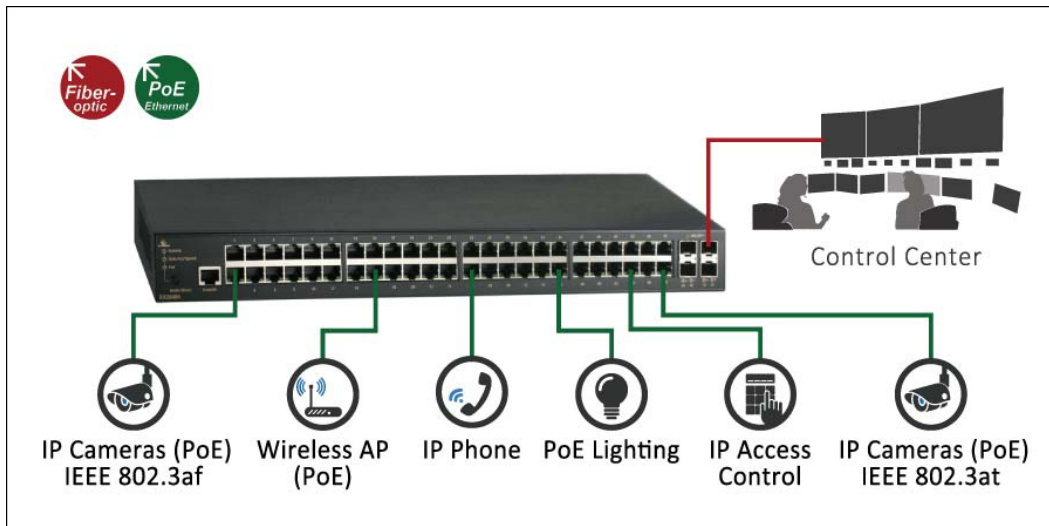www.etherwan.com/support/warranty-policy

✚ What's Included

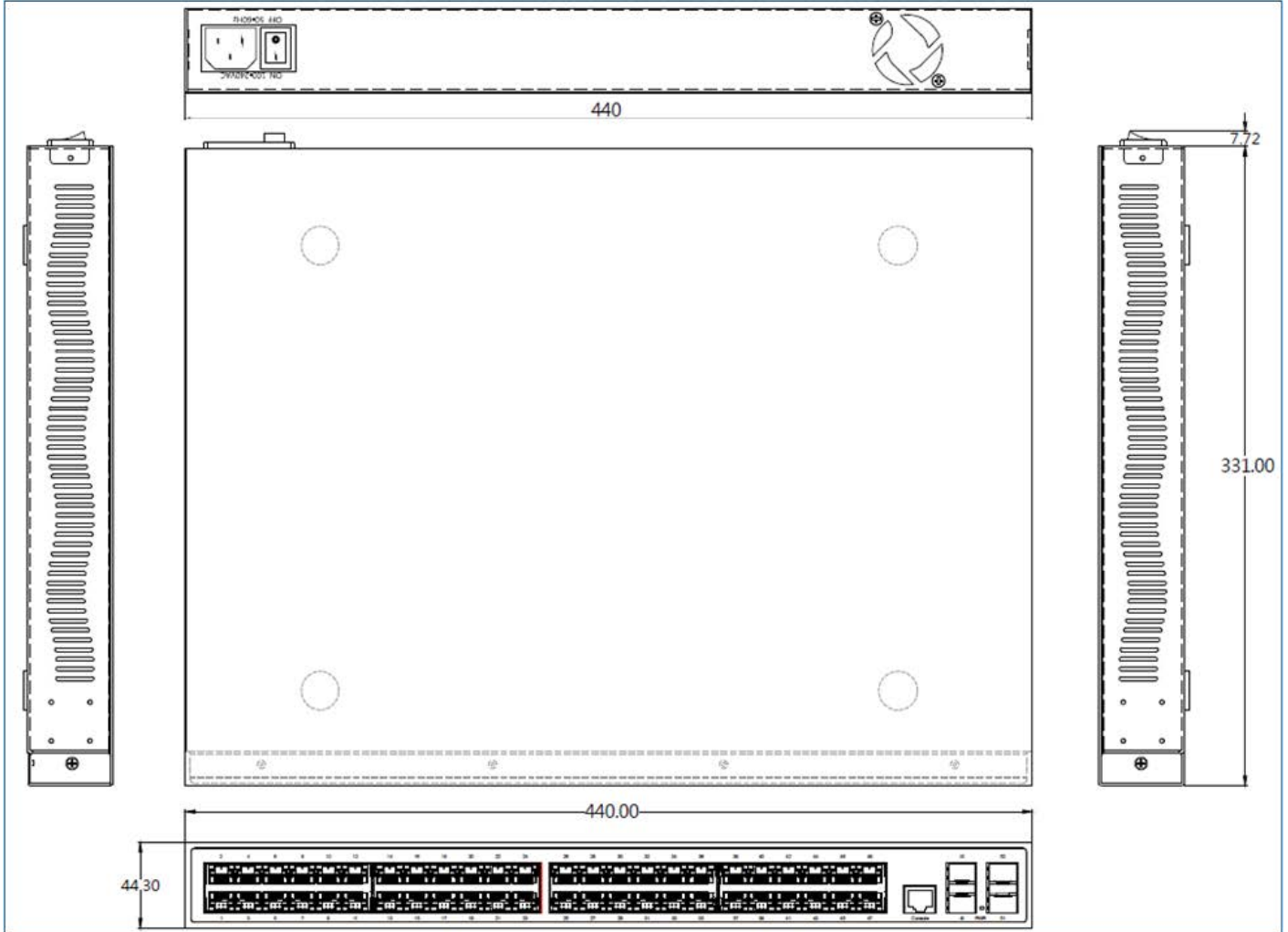**Device**
Ethernet Switch

Accessories
AC Power Cord
Rack Mounting Kit

Documentation
Quick install guide

Application

Dimensions

Ordering Info

➕ Model

EX26484	48-Port 10/100/1000BASE PoE + 4-Port 1G/10G SFP+ Managed Ethernet Switch, 450W Power Budget
EX26484-920	48-Port 10/100/1000BASE PoE + 4-Port 1G/10G SFP+ Managed Ethernet Switch, 860W Power Budget

* Rack mounting kit included.